

LBB 1992/00 Plena Voice Alarm Router

www.boschsecurity.com



BOSCH
Invented for life



- ▶ Expand the Plena Voice Alarm System with six zones
- ▶ EN 54-16 certified
- ▶ 12 additional input contacts
- ▶ Six volume override output contacts
- ▶ Supervision within the Plena Voice Alarm System

The LBB 1992/00 Voice Alarm Router is an expansion unit that can add six zones and 12 input contacts to the Plena Voice Alarm System. It can use the built-in amplifier on the LBB 1990/00 Plena Voice Alarm System Controller, and provides inputs and outputs for one or two amplifiers in a multi-amplifier one or two-channel system.

It provides dual channel operation for calls and BGM simultaneously to a maximum of six different zones, using two amplifiers. Additionally, single channel operation is possible with only one amplifier. Multiple routers can also share one amplifier, including the internal amplifier on the controller unit. It is possible to use any number of amplifiers from one up to the number of routers used. The controller supports A/B wiring.

Functions

The LBB 1992/00 has a set of relays for zone-switching the power amplifier output(s) to different loudspeaker groups. Each zone can be switched between:

- The call channel (call-station selection, all-call microphone, or emergency activation)
- The BGM channel (front panel selection)
- Off

Volume override relay contacts are provided for each zone separately for overriding local loudspeaker volume controls. This ensures that priority messages go through with a given volume, even though the local volume controls may be set to a low volume level for background music, for example. Both three-wire and four-wire override schemes are supported. A call or a triggered input will activate these contacts for the appropriate zones, together with an additional voltage-free contact (call-active) for control purposes.

An overload protected 24 VDC output provides power for driving external relays, making an external power supply unnecessary. The master output channel, or one of the input channels, can be selected to be monitored with headphone connector and LED meter.

Controls and indicators

Front

- Meter (LED's for -20, -6, 0 dB and Power ON)
- Eight system fault LEDs
- 12 loudspeaker line fault LEDs
- Six EMG call-zone selection buttons
- 12 EMG call-zone status LEDs
- Six BMG zone selector buttons
- Six BMG zone status LEDs

Back

- Two DIP switches
- Unit ID rotary control
- Mains voltage selector
- Power switch
- Mains socket

Interconnections

Back

- 12 loudspeaker outputs
- Two external amp inputs
- Call output
- Six volume override outputs
- 12 trigger inputs
- RS-232 connector
- Two system interlinks
- Two external amp outputs (XLR/balanced)
- Power amp fault output
- 24 VDC power output
- 24 VDC power input
- Two extra trigger outputs
- Earth connection screw

Certifications and approvals

Safety	acc. to EN 60065
Immunity	acc. to EN 50130-4
Emission	acc. to EN 55103-1
Emergency	acc. to EN 54-16

Region	Certification
Europe	CE Declaration of Conformity
	CPD
	CPD
Poland	CNBOP

Installation/configuration notes



LBB 1992/00 rear view

Parts included

Quantity	Component
1	LBB 1992/00 Voice Alarm Router
1	Power cord
1	Set of 19" mounting brackets

1	Safety Instructions
1	XLR cable
1	Ethernet cable

Technical specifications

Electrical

Mains power supply	
Voltage	230/115 VAC, ±10%, 50/60 Hz
Inrush current	1.5 A @ 230 VAC / 3 A @ 115 VAC
Max power consumption	50 VA
Idle / max load* current	0.2 A / 0.3 A
Battery power supply	
Voltage	24 VDC, +15% / -15%
Current max	1.8 A
Typical / max load* current	0.51 A / 1.5 A
Trigger Inputs	
Connectors	MC1,5 / 14-ST-3,5
Activation	Programmable
Supervision	On EMG inputs, programmable
Supervision method	Series / parallel resistor
100 V input	
Connector	MSTB 2,5 / 16-ST
Amp 1	100 V / 70 V / 0 V
Amp 2	100 V / 0 V
Power handling capacity	1000 W
Loudspeaker outputs	
Connectors	MSTB 2,5 / 16-ST, floating
100 V output	700 W rated per zone
Volume override types	3-wire, 4-wire (24 V), 4-wire failsafe
Output Contacts	
Connector	MC 1,5/14-ST-3,5
Rating	100 V, 2A, voltage free
General purpose relays (2x)	NO / COM

* Maximum load means maximum load on 24 VDC, and indicator test.

Mechanical

Dimensions (H x W x D)	88 x 430 x 260 mm (19" wide, 2U high)
Weight	Approx. 3 kg
Mounting	Standalone, 19" rack
Color	Charcoal

Environmental

Operating temperature	-10 °C to +55 °C (14 °F to +131 °F)
Storage and transport temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	<95%

Ordering information**LBB 1992/00 Plena Voice Alarm Router**

An expansion unit for adding six zones and 12 input contacts to the Plena Voice Alarm System.

Order number **LBB1992/00**

Accessories**PLN-VASLB-NL Plena VAS labels, Dutch (10 pcs)**

Labels for placing on front panel (set of 10 pieces), Dutch.

Order number **PLN-VASLB-NL**

PLN-VASLB-DE Plena VAS labels, German (10 pcs)

Labels for placing on front panel (set of 10 pieces), German.

Order number **PLN-VASLB-DE**

PLN-VASLB-FR Plena VAS labels, French (10 pcs)

Labels for placing on front panel (set of 10 pieces), French.

Order number **PLN-VASLB-FR**

PLN-VASLB-SE Plena VAS labels, Swedish (10 pcs)

Labels for placing on front panel (set of 10 pieces), Swedish.

Order number **PLN-VASLB-SE**

PLN-VASLB-PL Plena VAS labels, Polish (10 pcs)

Labels for placing on front panel (set of 10 pieces), Polish.

Order number **PLN-VASLB-PL**

Represented by:**Americas:**

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337, USA
Phone: +1-800-392-3497
Fax: +1-800-955-6831
audiosupport@us.bosch.com
www.boschsecurity.com

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: +31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com